

O I P E  
FEB 03 2003  
PATENT & TRADEMARK OFFICE

Applicants: Petros A. Ioannou, et al.  
Serial No.: 09/439,055 Confirmation No. 183  
Filed: November 12, 1999  
Title: Servo Control Apparatus and Method ...  
Attorney: William H. Wright Tel: (213) 337-6700  
Docket No.: 81858.0004  
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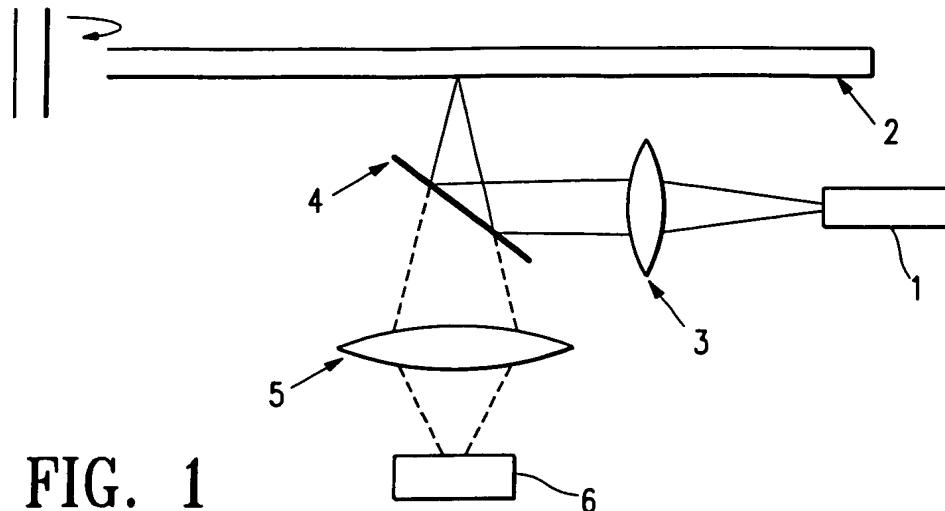


FIG. 1  
PRIOR ART

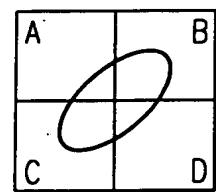


FIG. 2  
PRIOR ART

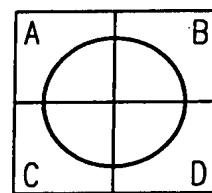


FIG. 3  
PRIOR ART

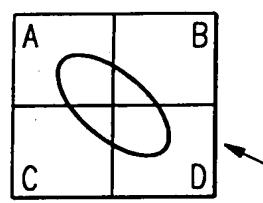
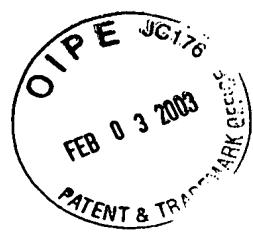


FIG. 4  
PRIOR ART



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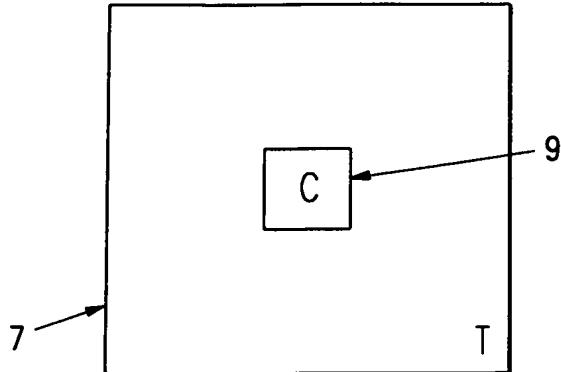


FIG. 5  
PRIOR ART

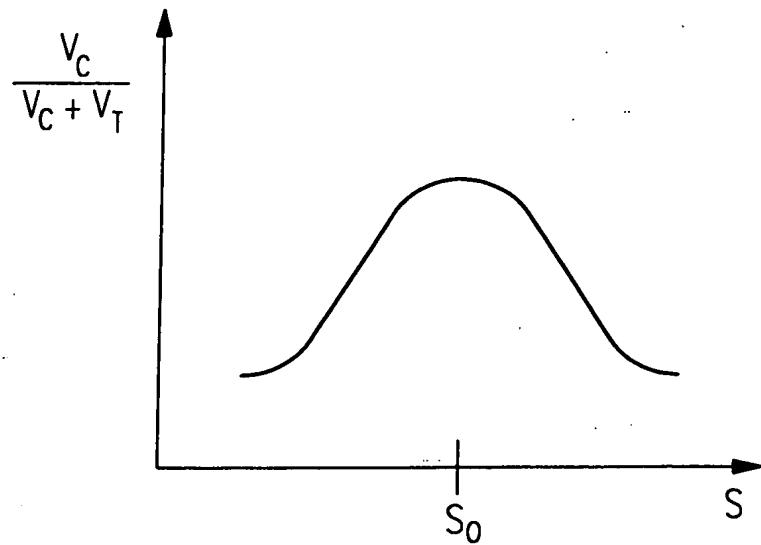


FIG. 6  
PRIOR ART

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Applicants: Petros A. Ioannou, et al.  
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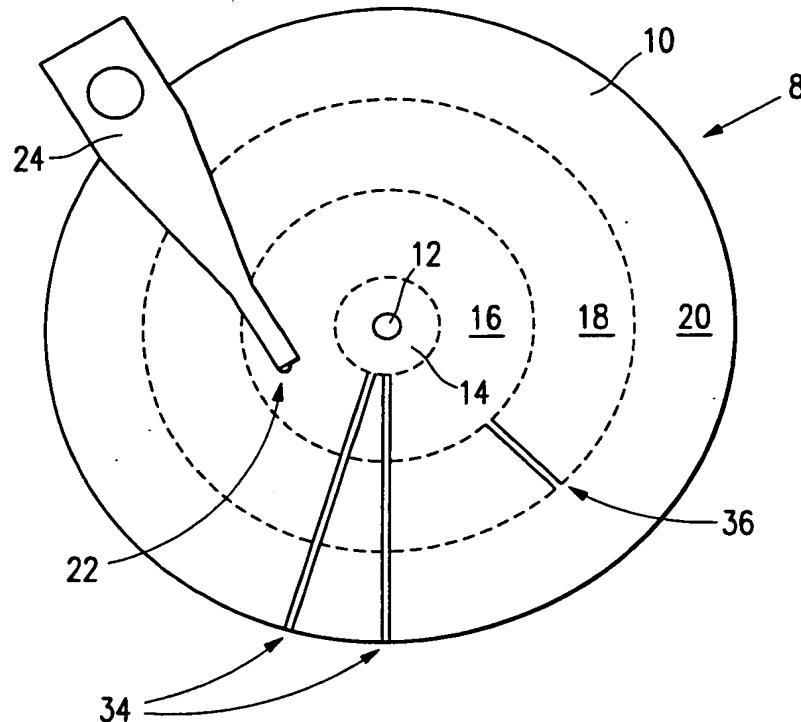


FIG. 7  
PRIOR ART

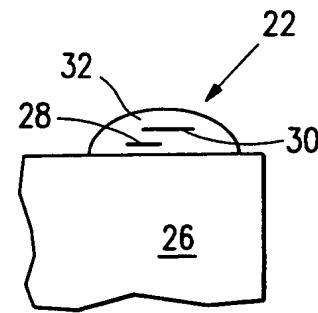
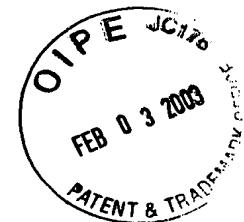


FIG. 8  
PRIOR ART



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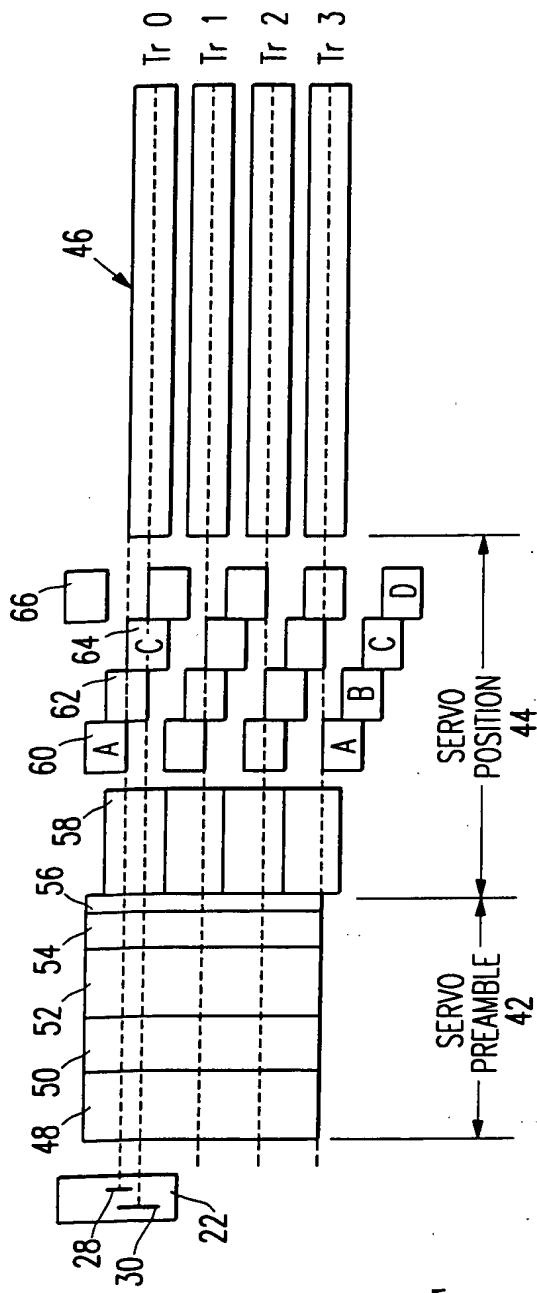


FIG. 9A  
 (WRITING)  
 PRIOR ART

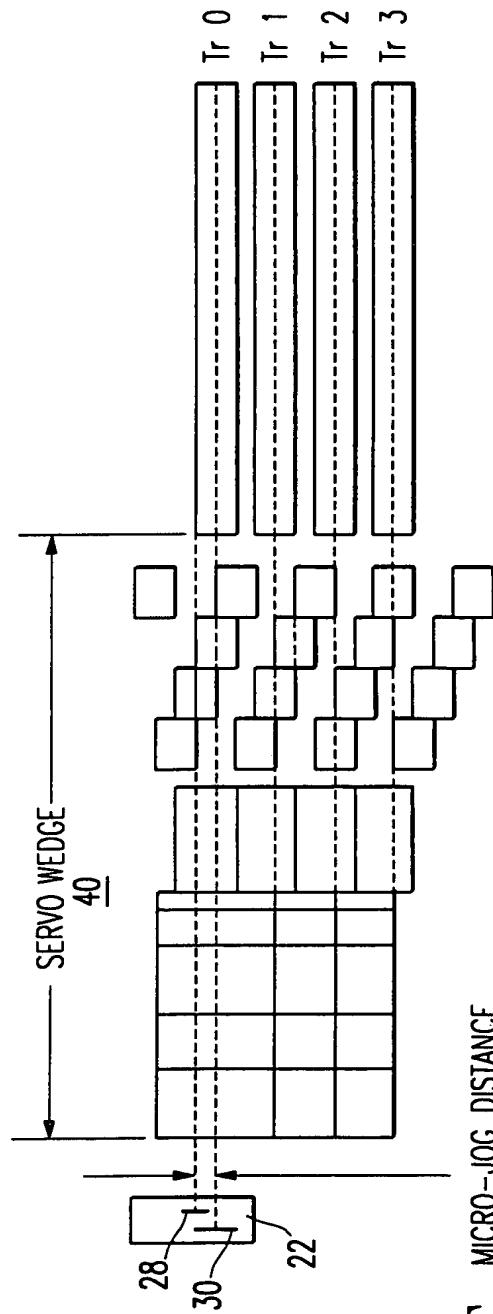


FIG. 9B  
 (READING)  
 PRIOR ART  
 MICRO-JOG DISTANCE



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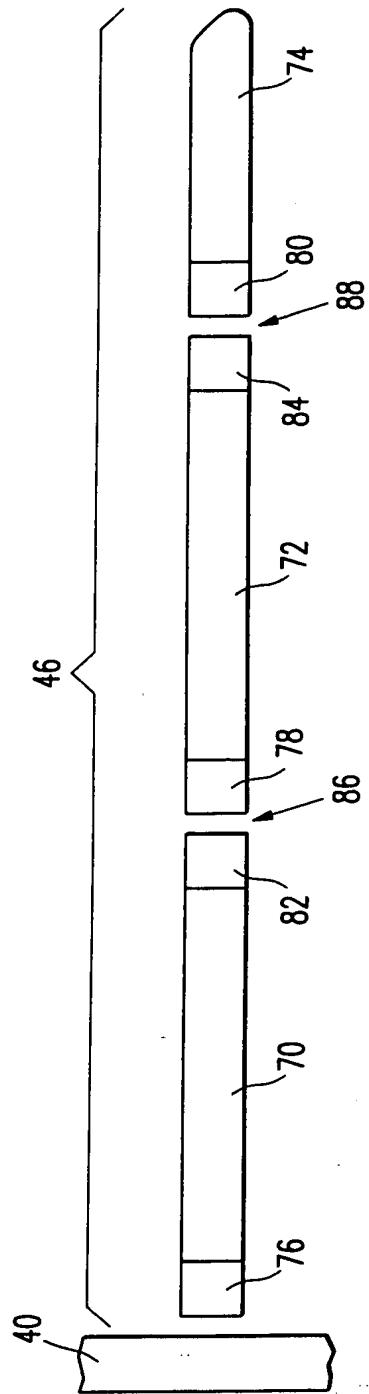


FIG. 10  
PRIOR ART

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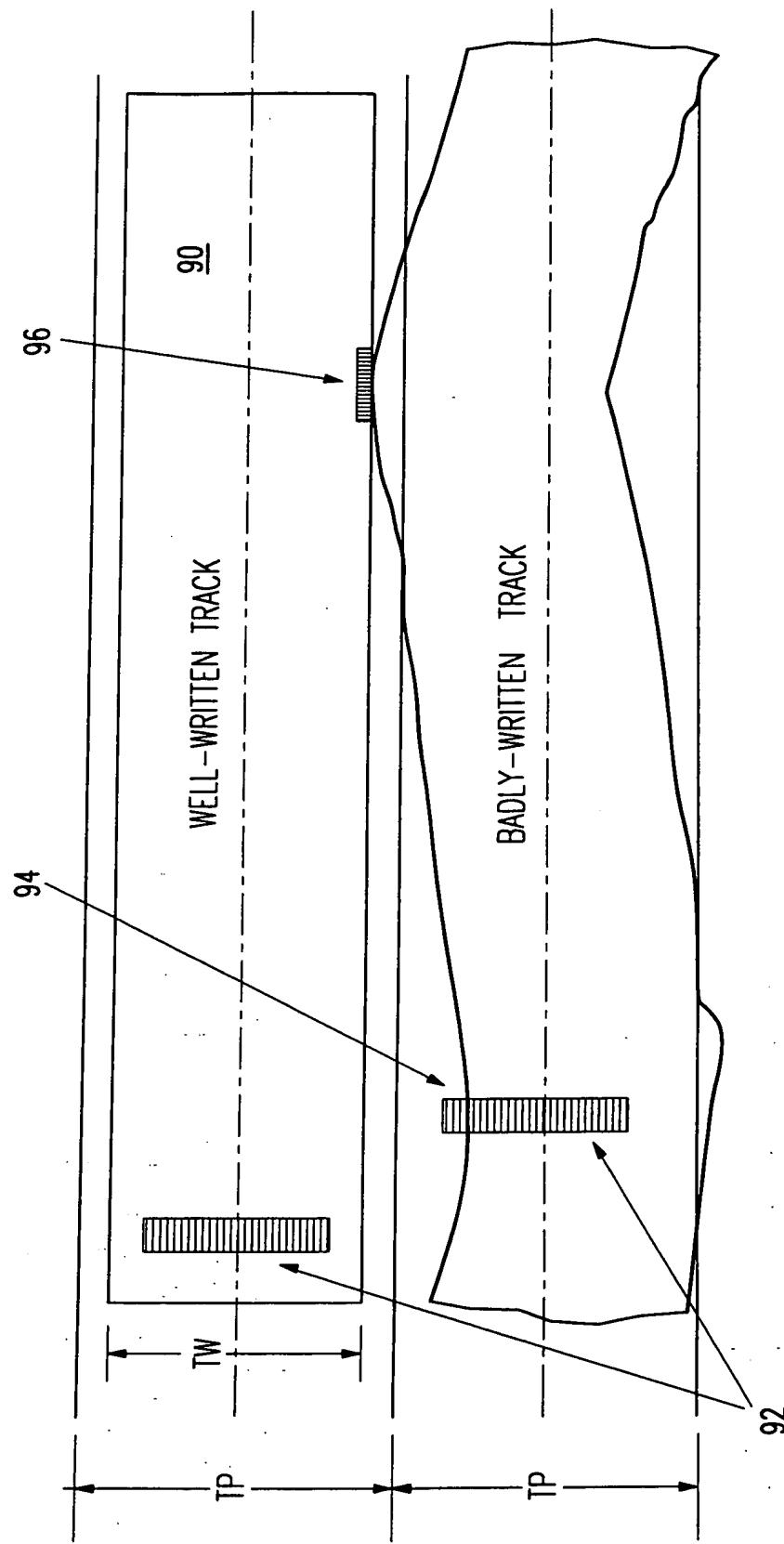
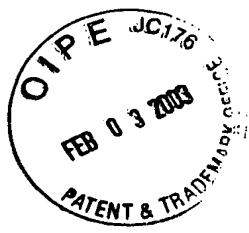


FIG. 11



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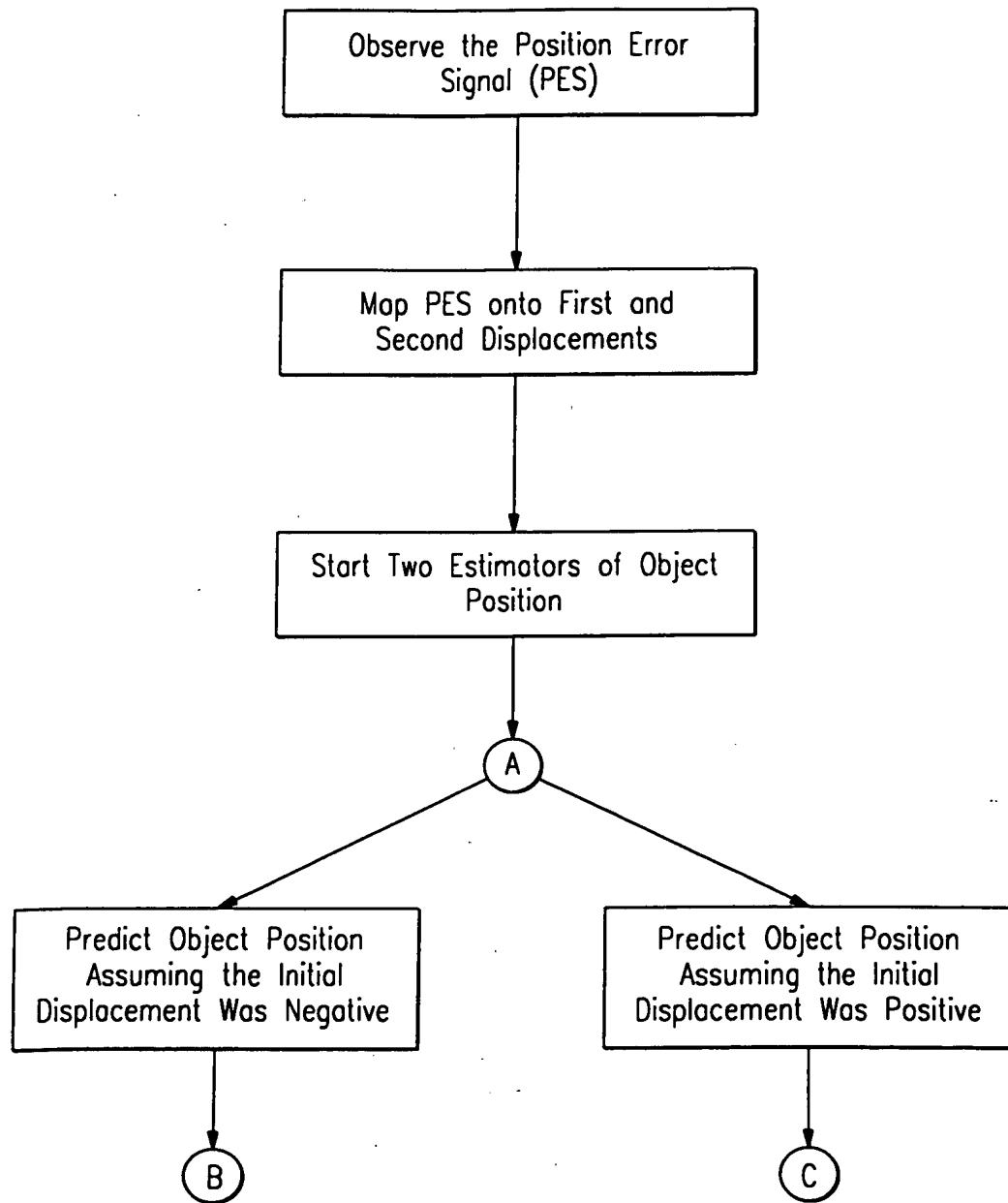
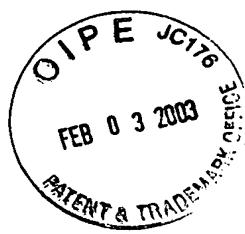


FIG. 12A



Applicants: Petros A. Ioannou, et al.  
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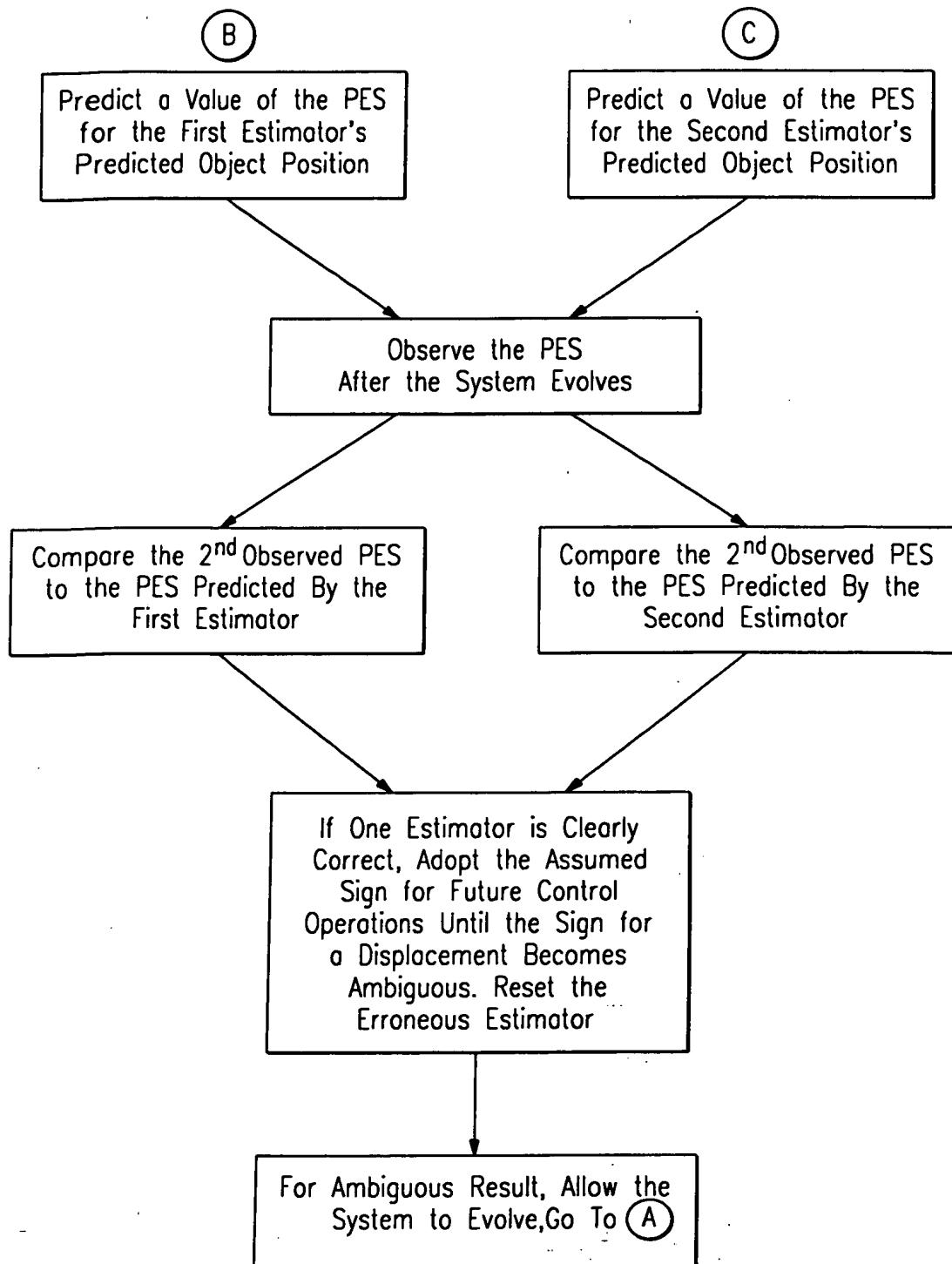


FIG. 12B

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Applicants: Petros A. Ioannou, et al.  
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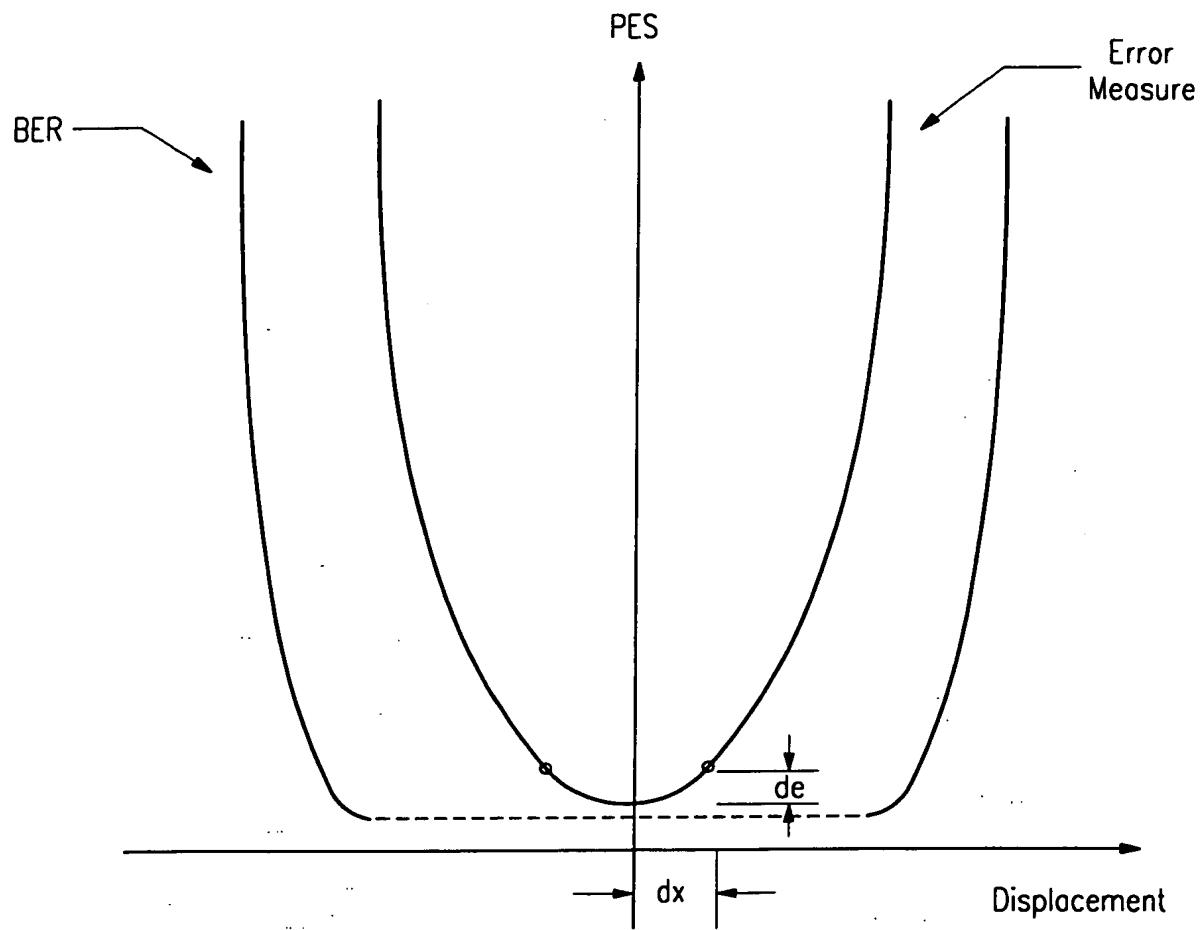


FIG. 13

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Applicants: Petros A. Ioannou, et al.  
Serial No.: 09/439,055 Confirmation No. 83  
Filed: November 12, 1999  
Title: Servo Control Apparatus and Method ...  
Attorney: William H. Wright Tel: (213) 337-6700  
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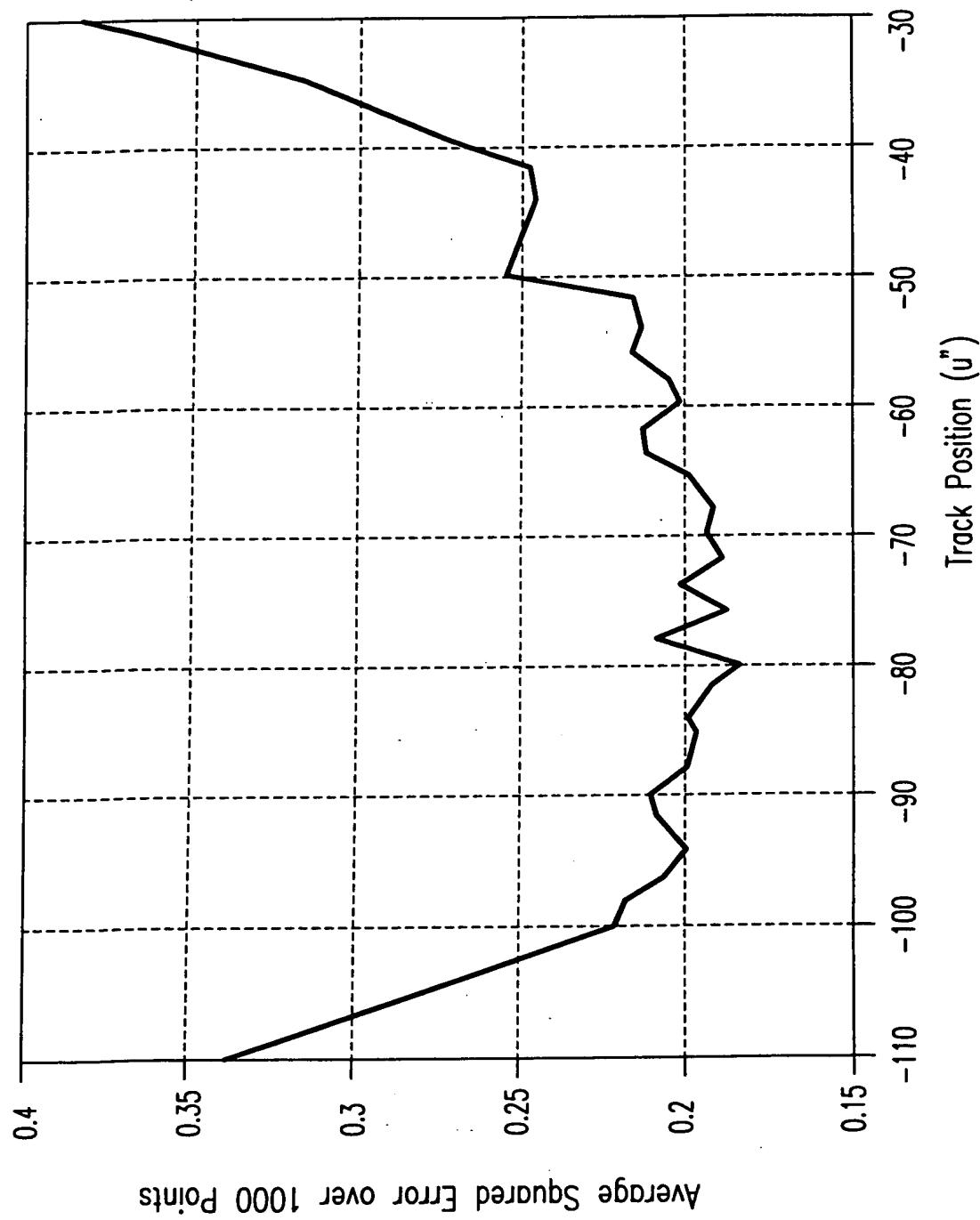


FIG. 14



Applicants: Petros A. Ioannou, et al.  
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Filed: November 12, 1999  
Title: Servo Control Apparatus and Method ...  
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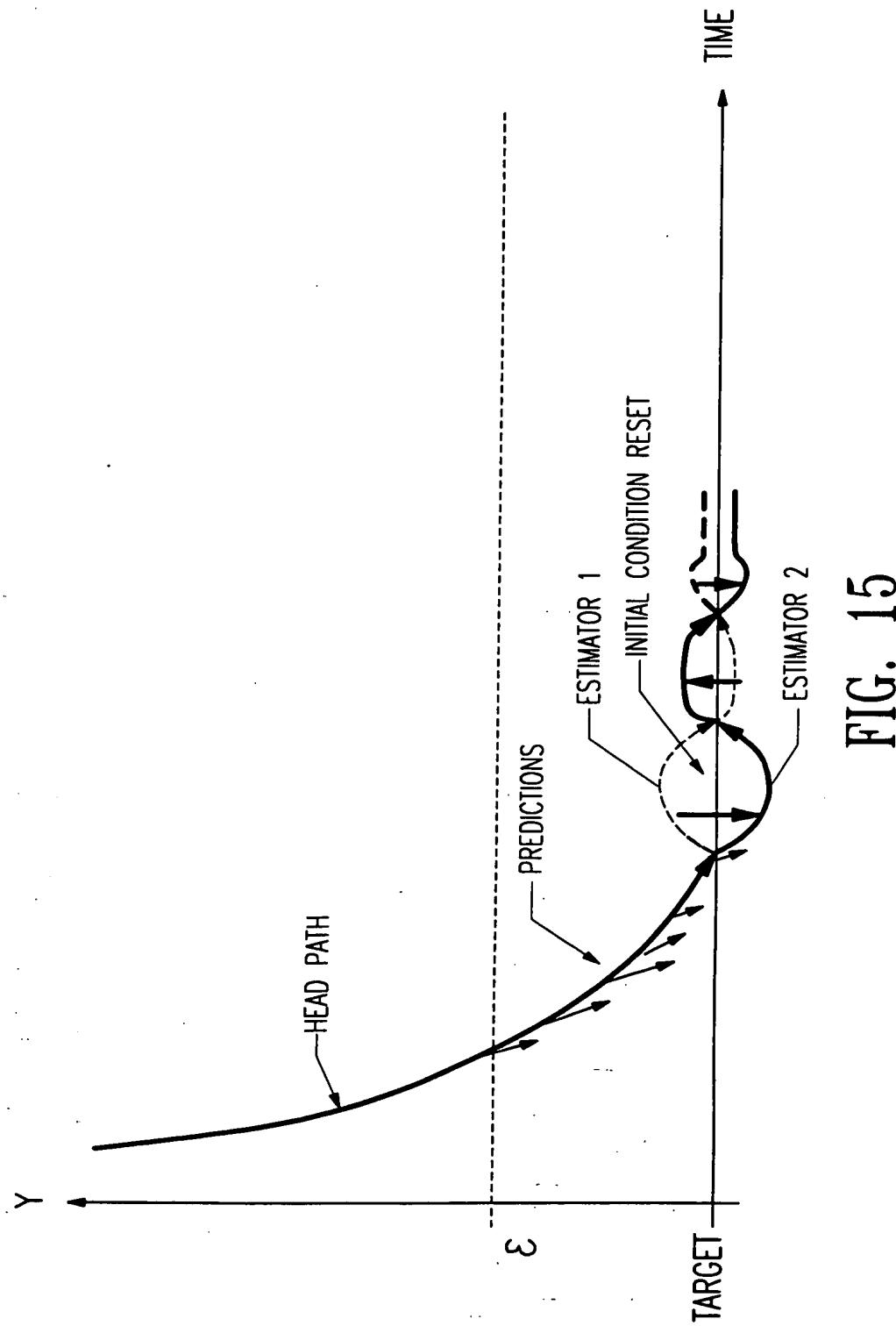


FIG. 15

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Applicants: Petros A. Ioannou, et al.  
Serial No.: 09/439,055 Confirmation No. 11183  
Filed: November 12, 1999  
Title: Servo Control Apparatus and Method ...  
Attorney: William H. Wright Tel: (213) 337-6700  
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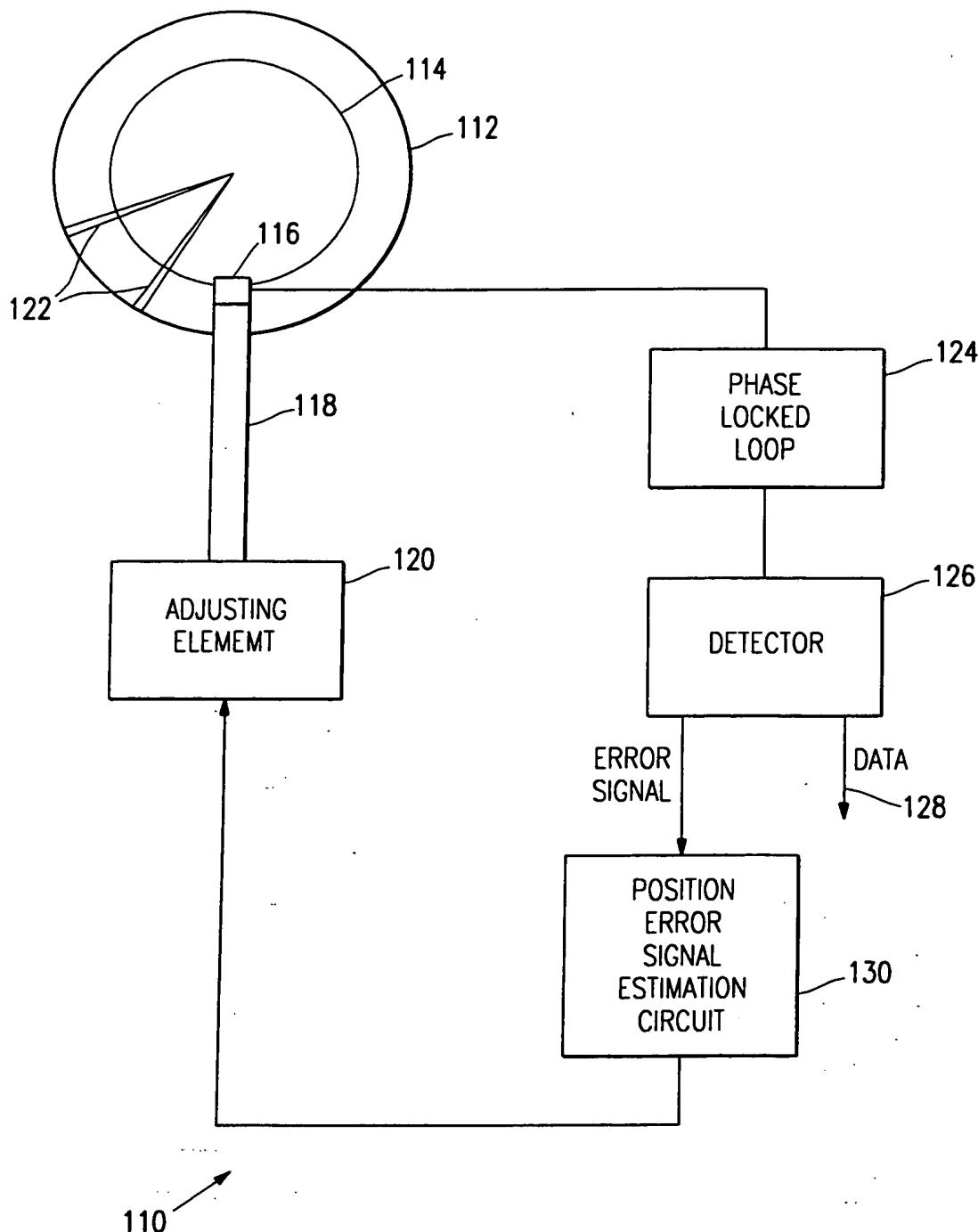


FIG. 16

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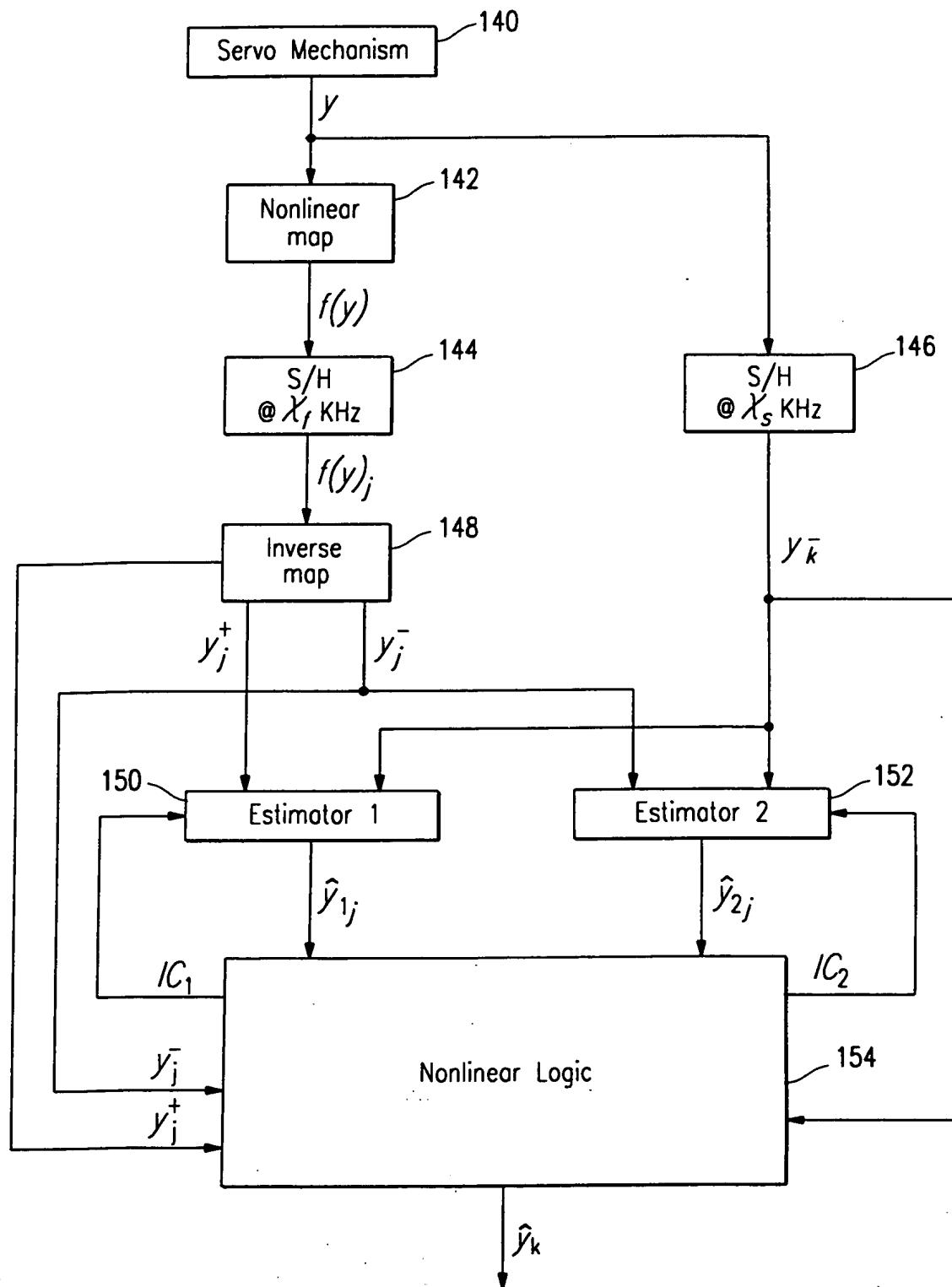


FIG. 17



Applicants: Petros A. Ioannou, et al.  
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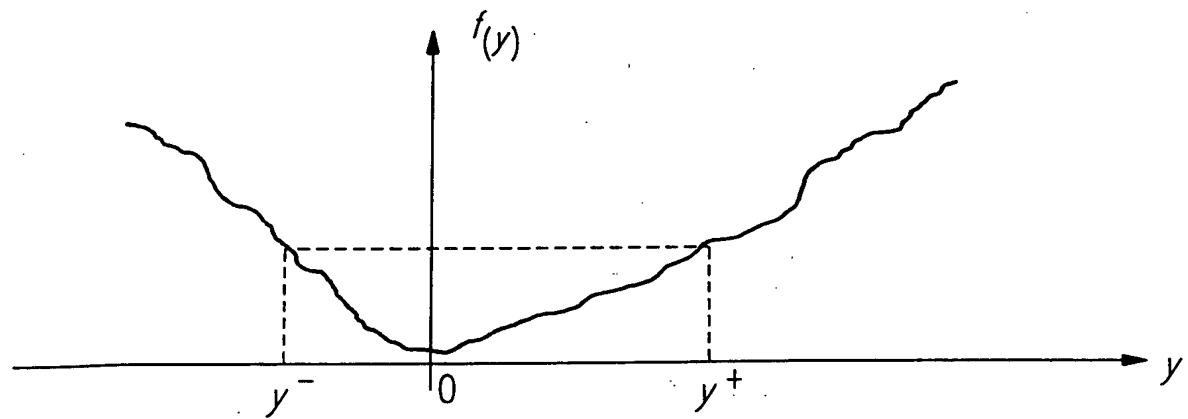


FIG. 18



Applicants: Petros A. Ioannou, et al.  
Serial No.: 09/439,055 Confirmation No. [redacted]  
Filed: November 12, 1999  
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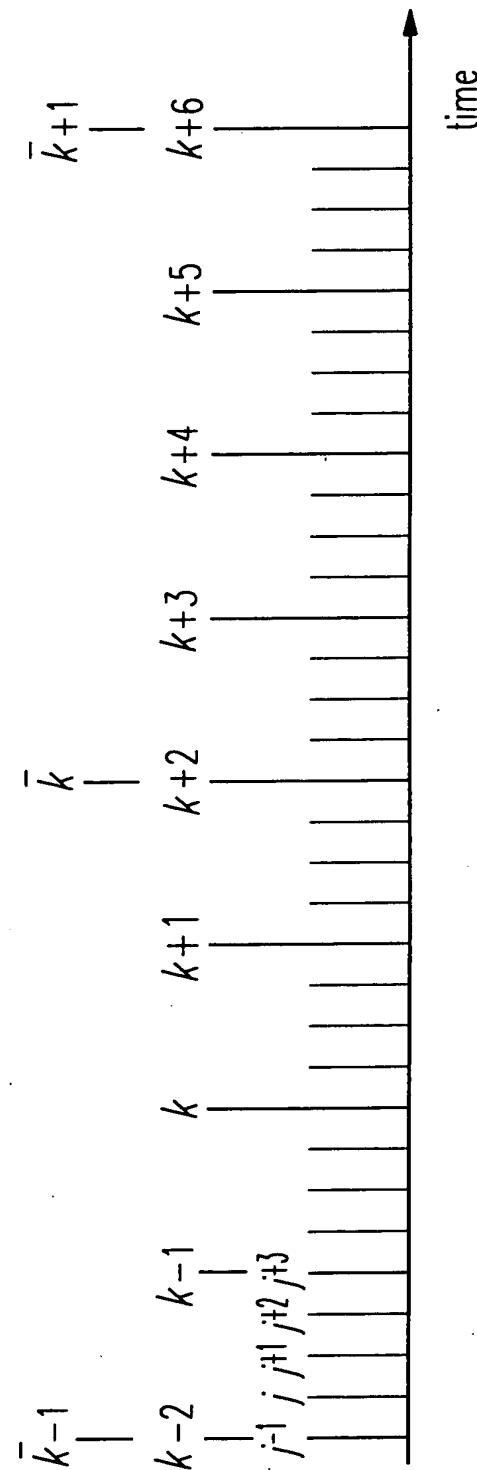


FIG. 19

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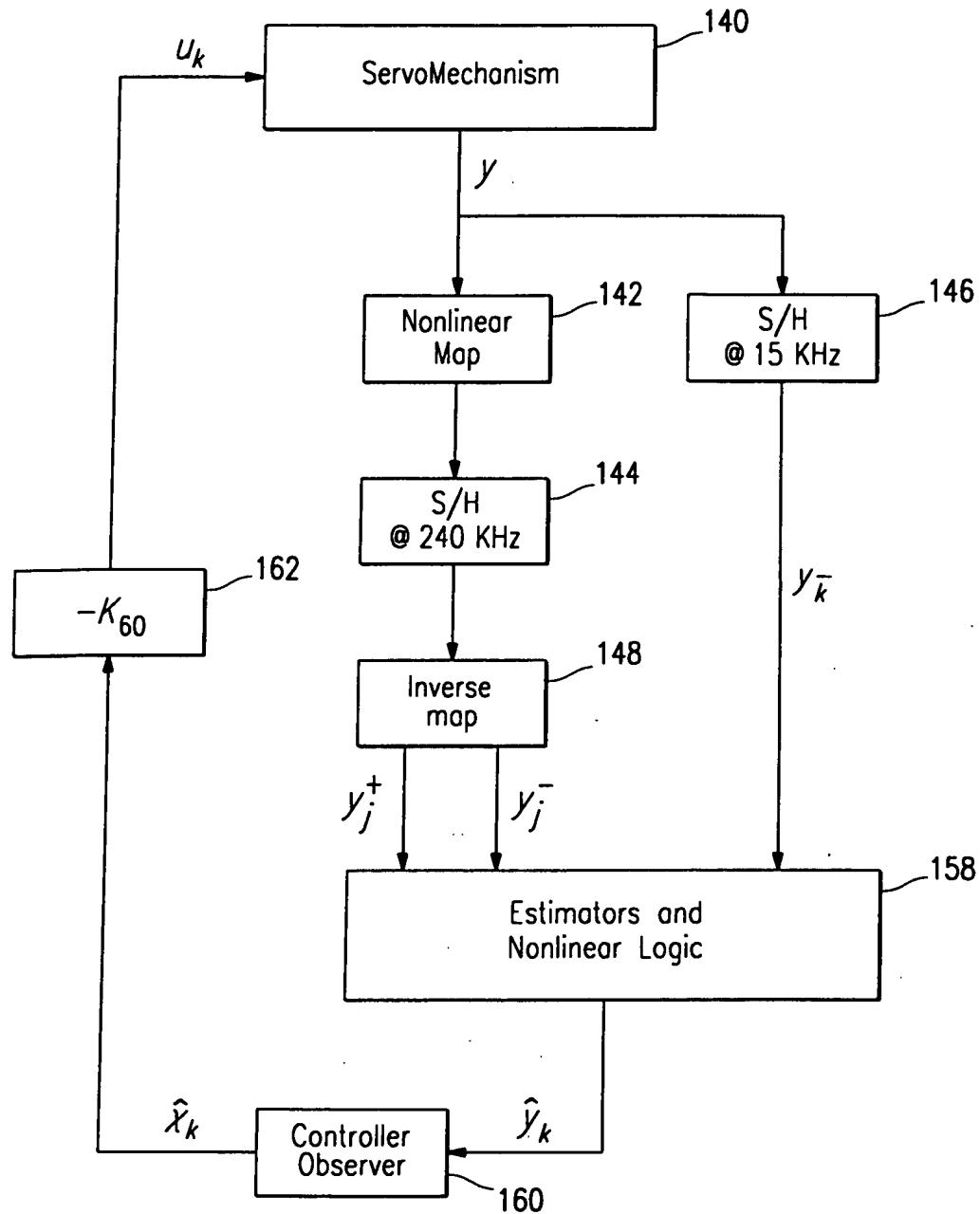
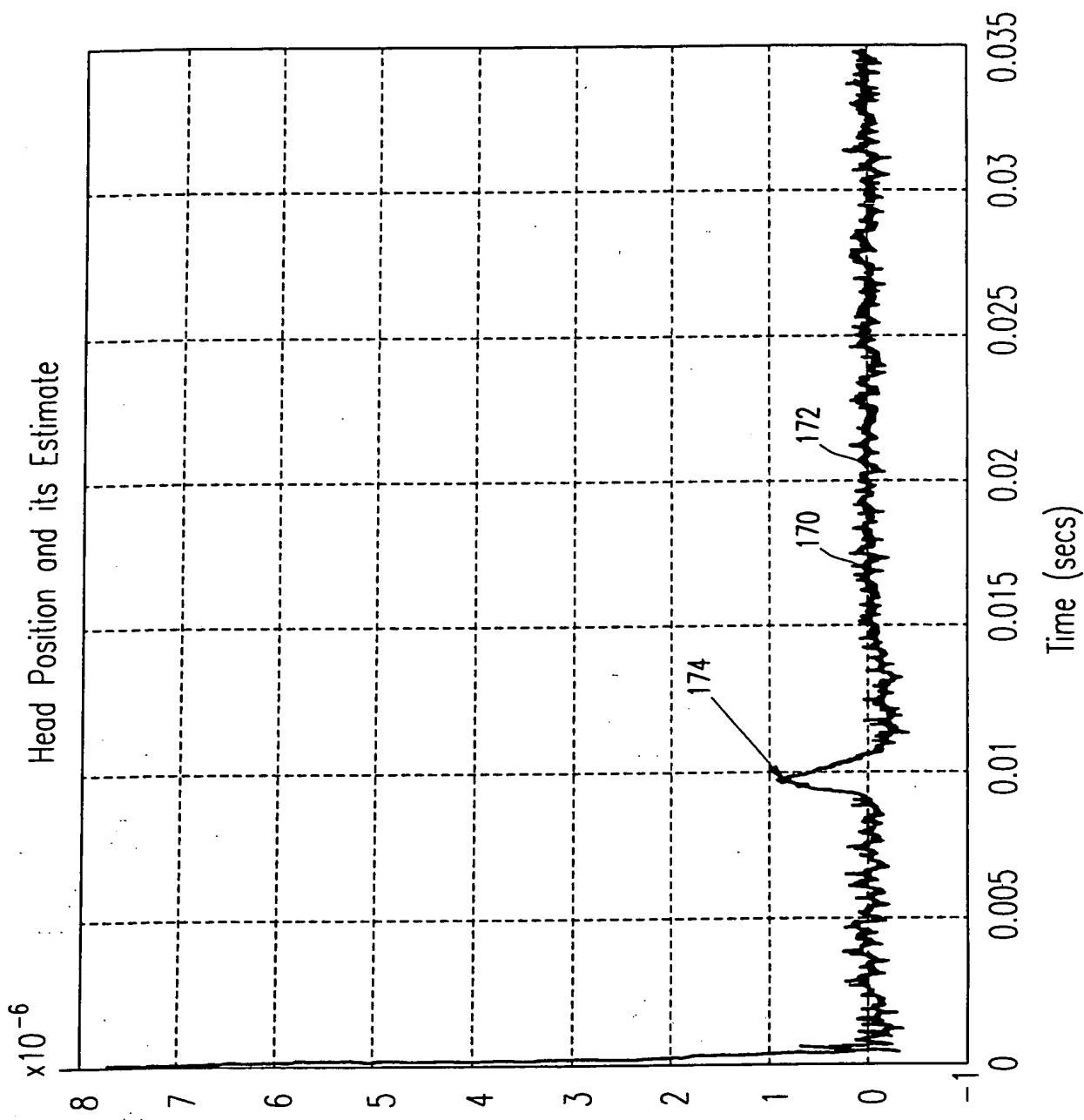


FIG. 20

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FIG. 21

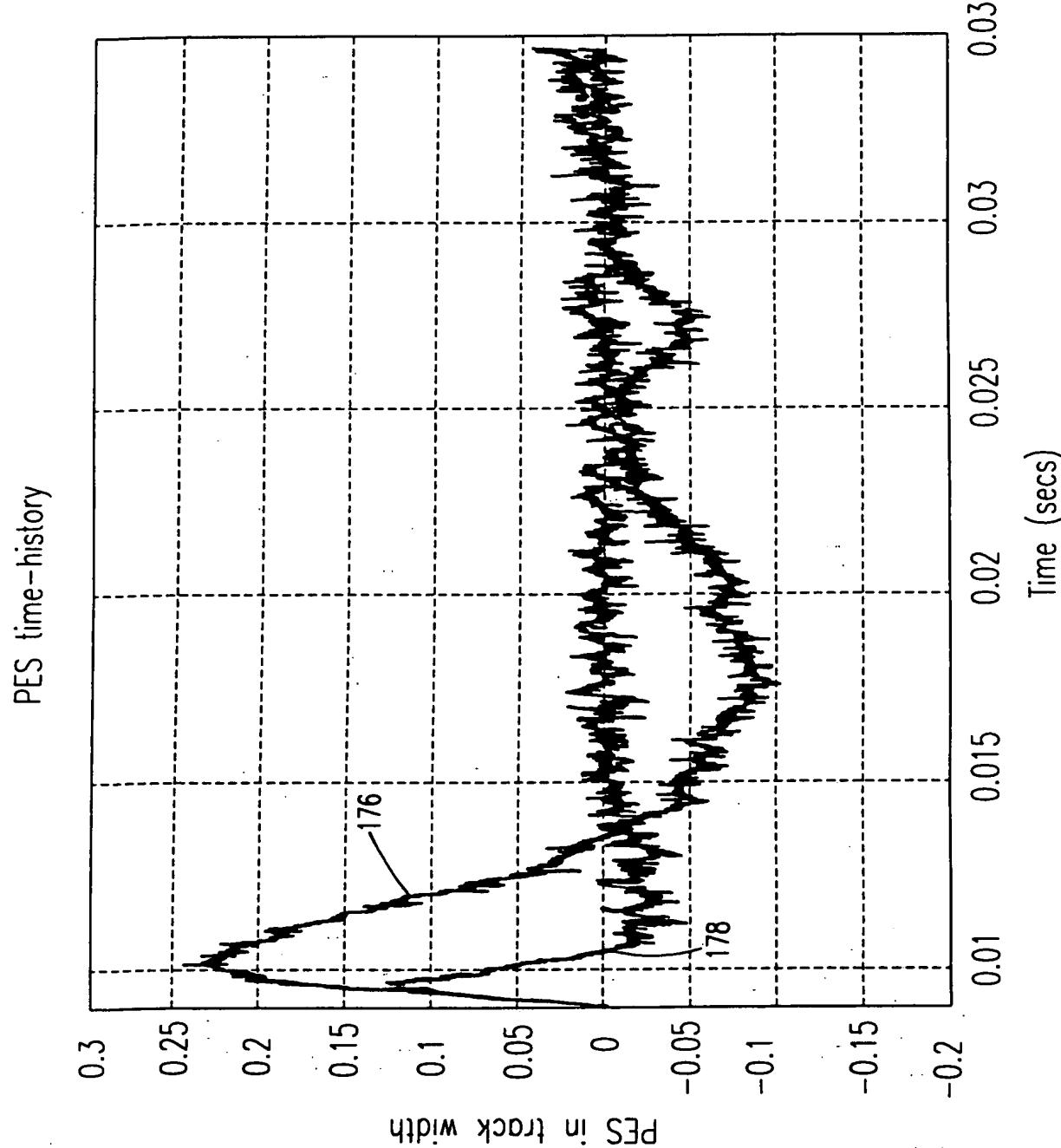


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FIG. 22





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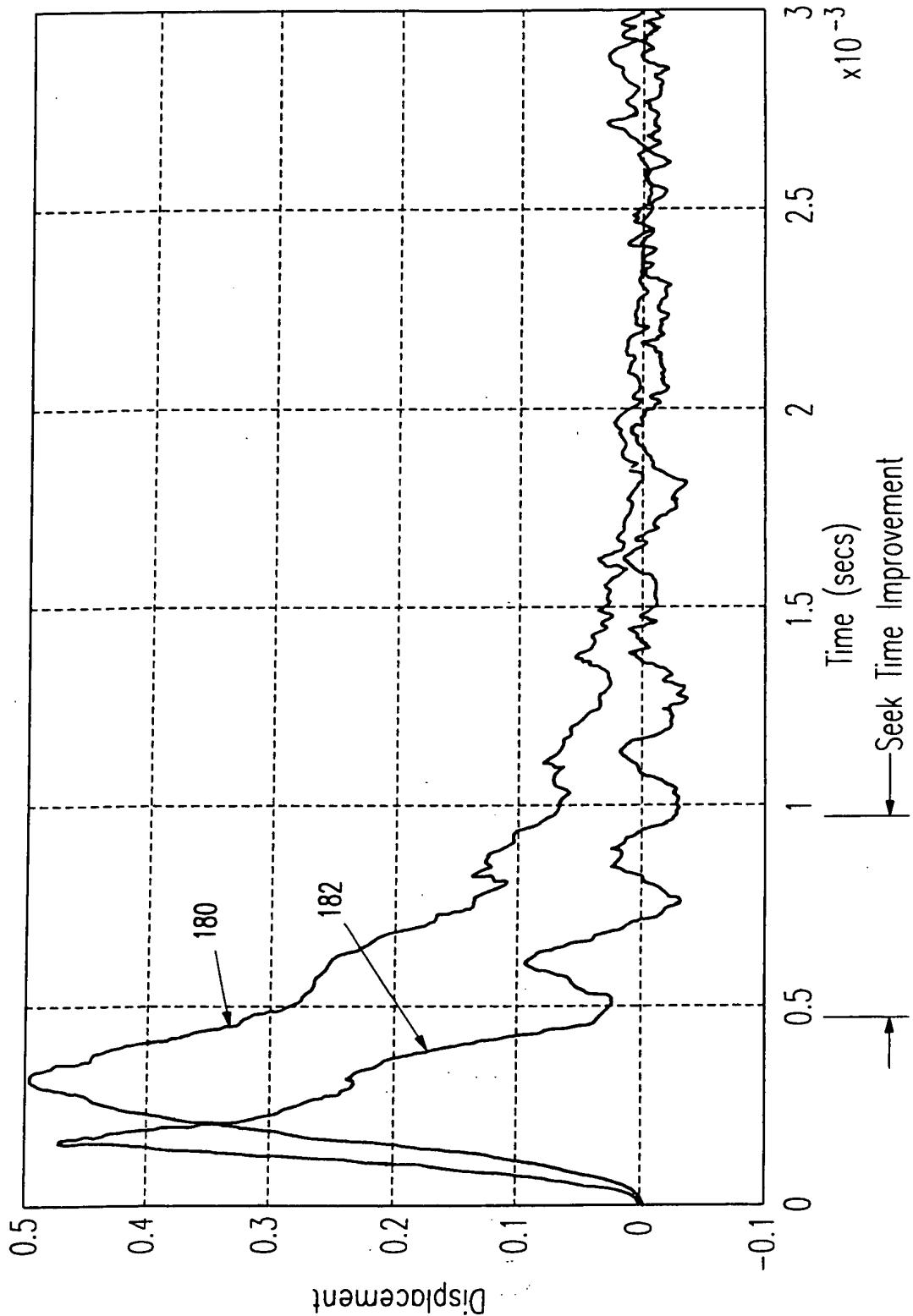


FIG. 23

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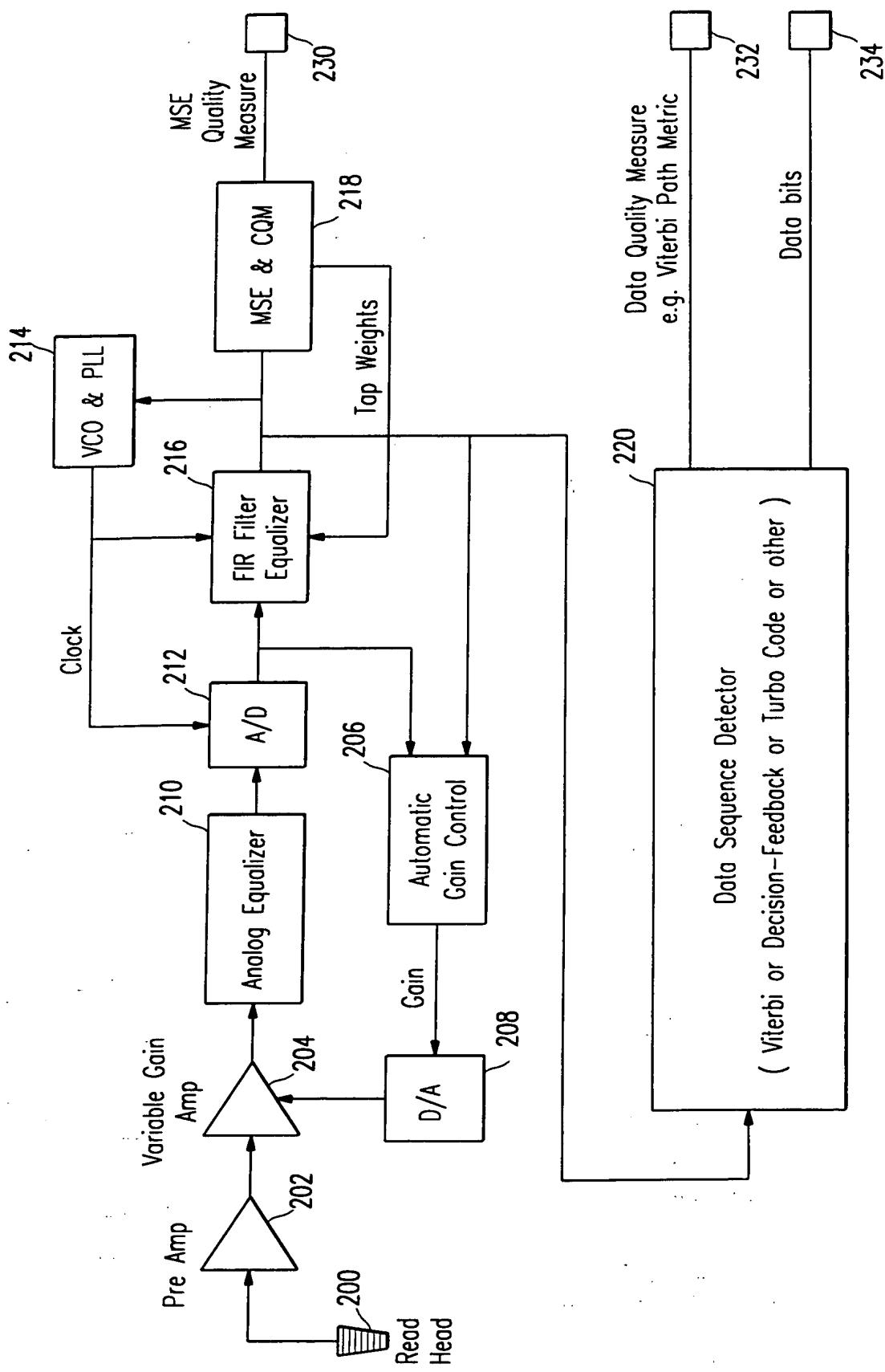


FIG. 24

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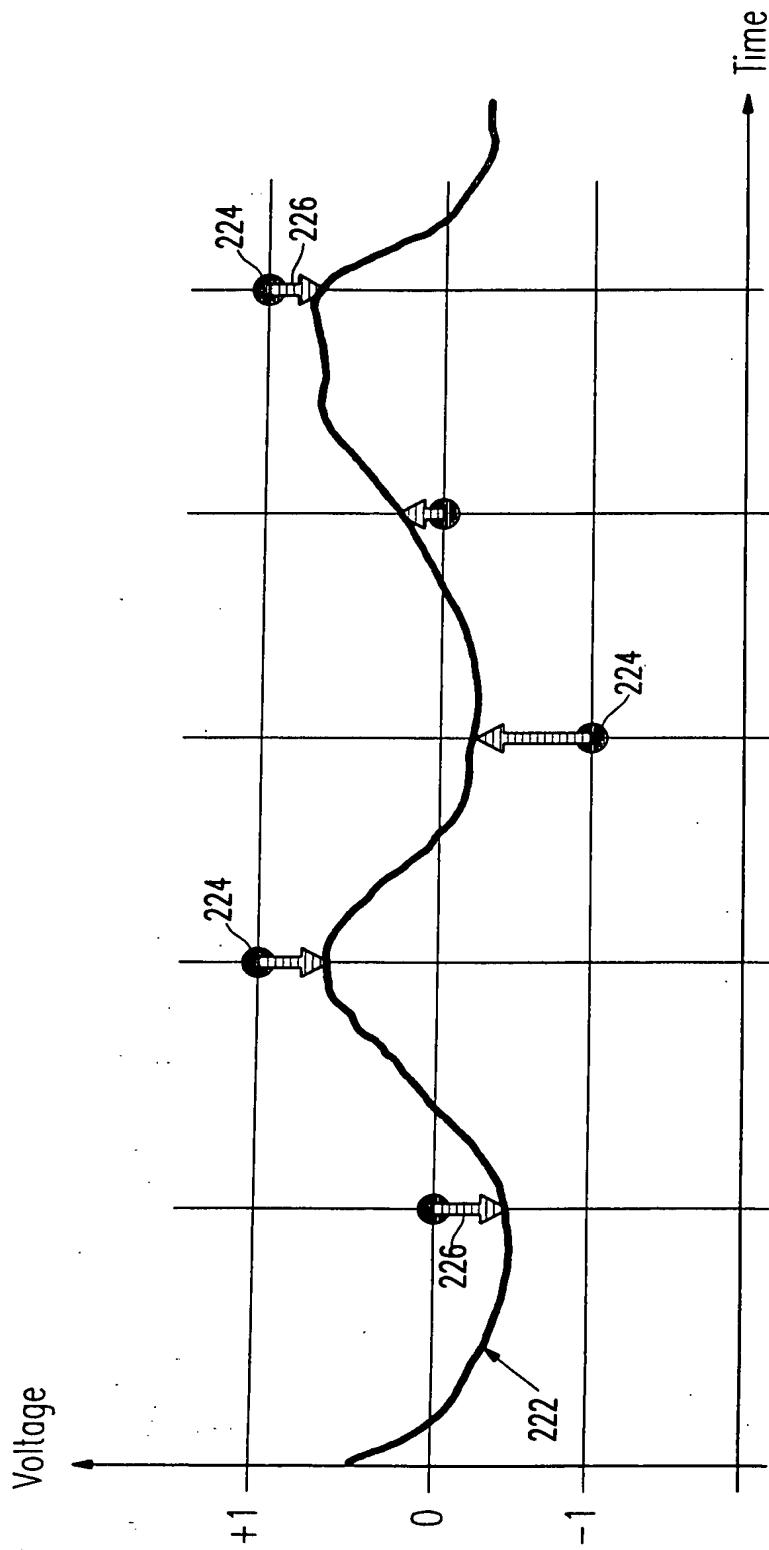


FIG. 25